

Arctiinae¹ of Arizona

Ray B. Nagle

“Never saw an Arctiid I didn’t like”

¹ *sensu* Lafontaine & Fibiger, 2006

Arctiinae^{3,4}

- World Wide 11,000 species 750 genera ¹
- North America 281 species 96 genera ^{2,4}
- Arizona 137 species 50 genera ^{3,4}

1. Common, 1990
2. Ferguson, 2006
3. Lafontaine & Fibiger, 2006
4. Schmitt & Opler, 2008

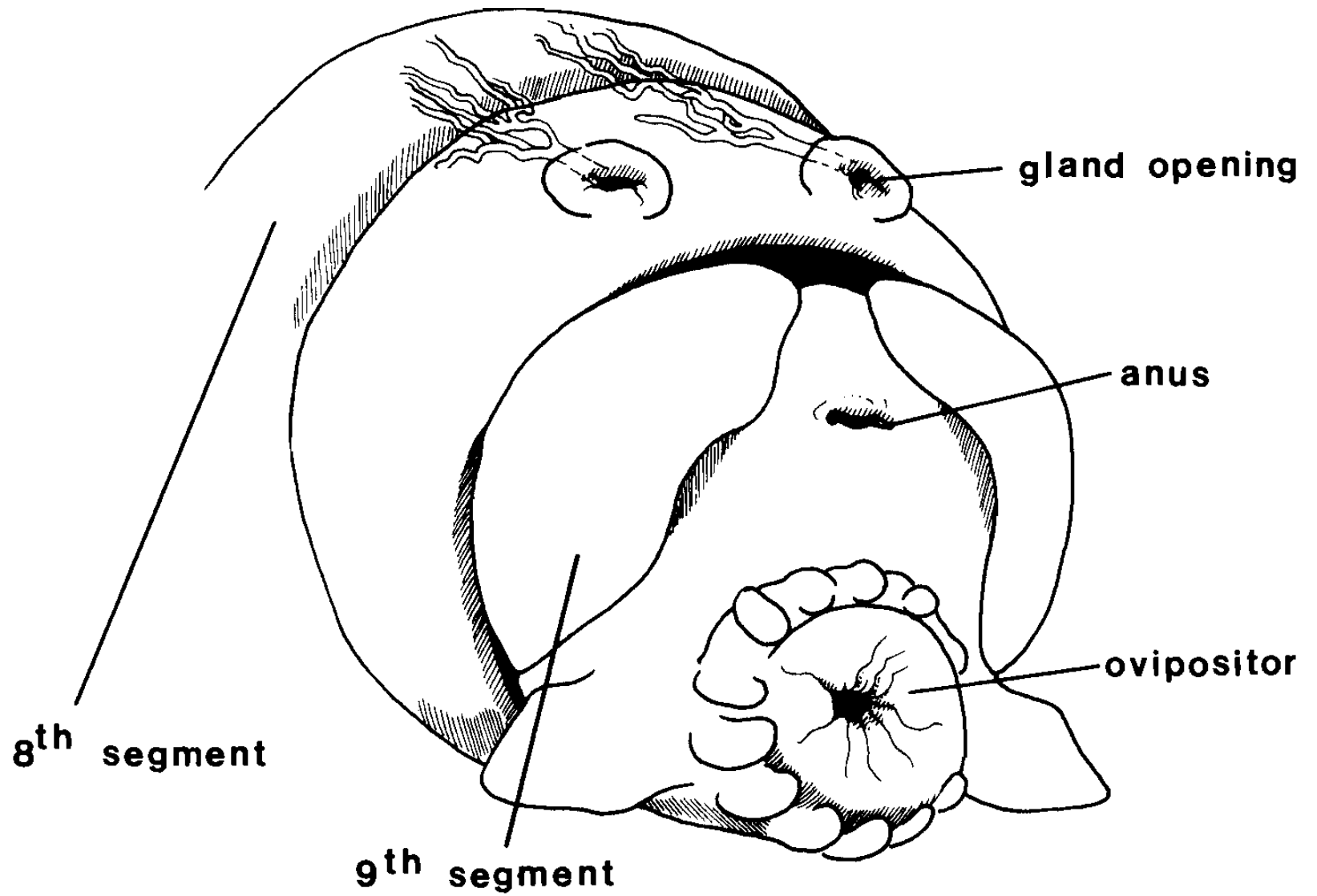
The word arctiinae come from the Greek word arktos = bear and refers to arctiid larvae the “wooly bear” caterpillors



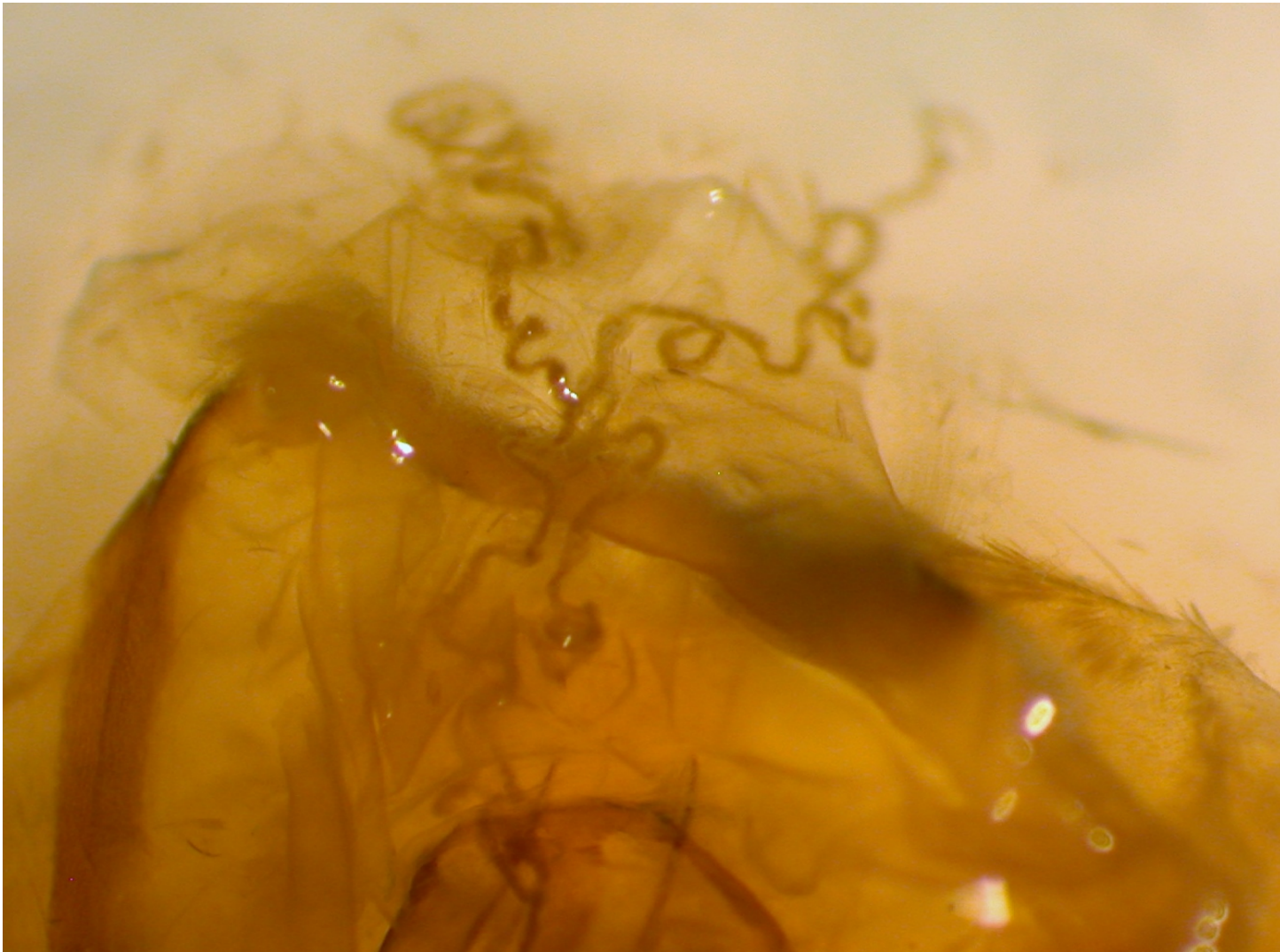
Arachnis picta larvae

Characteristics of Arctiinae

- Universal presence of a pair of dorsal eversible pheromone glands in females.
- Metathoracic microtymbals.
- Fusion of proximal portions of subcostal and radial veins in hind wing
- Setae D1 and D2 are fused on both 2nd and 3rd thoracic larval segments into a single verruca.
- Most larvae have heteroideous crochets on prolegs.

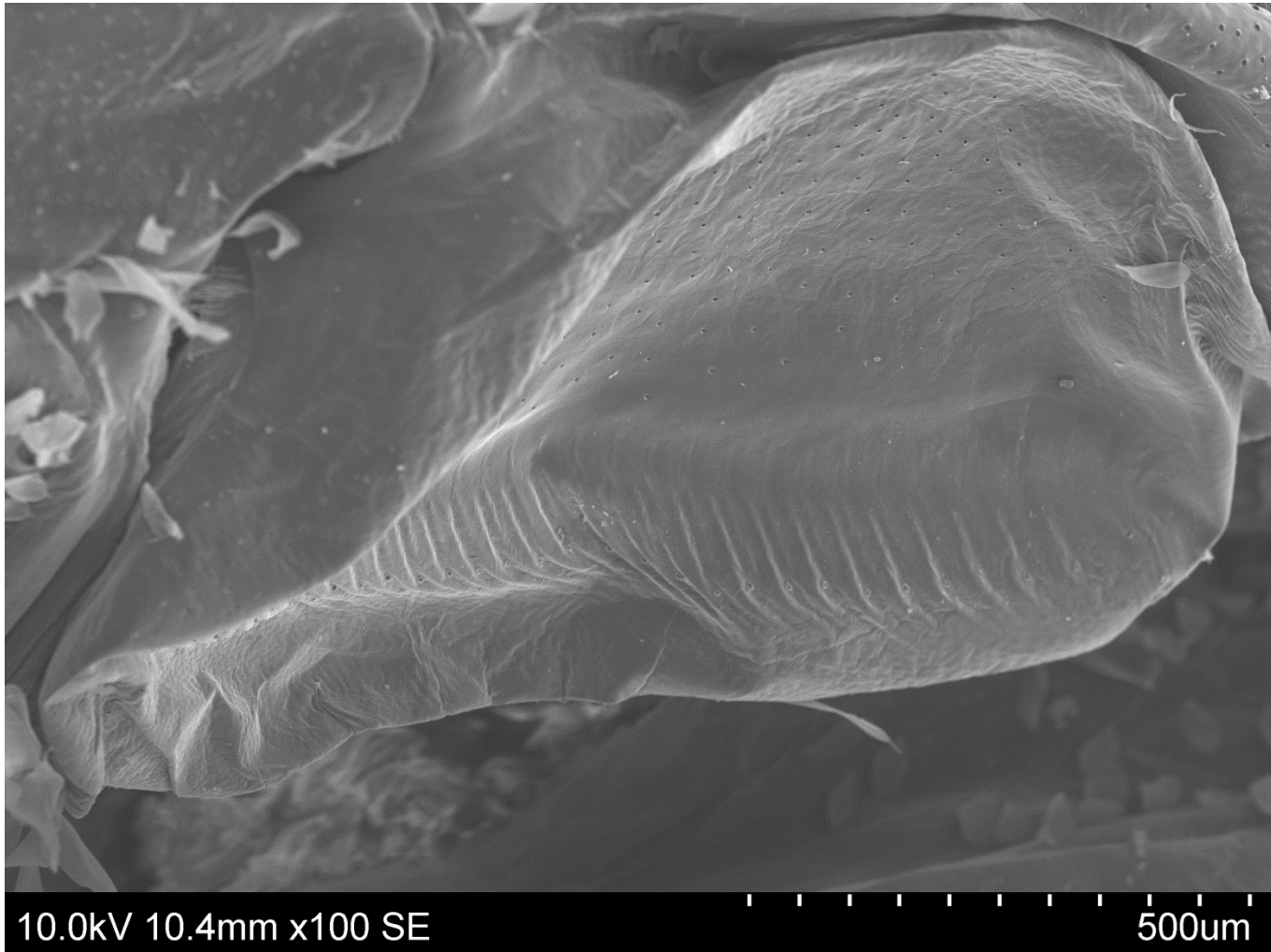


Dorsal pheromone glands



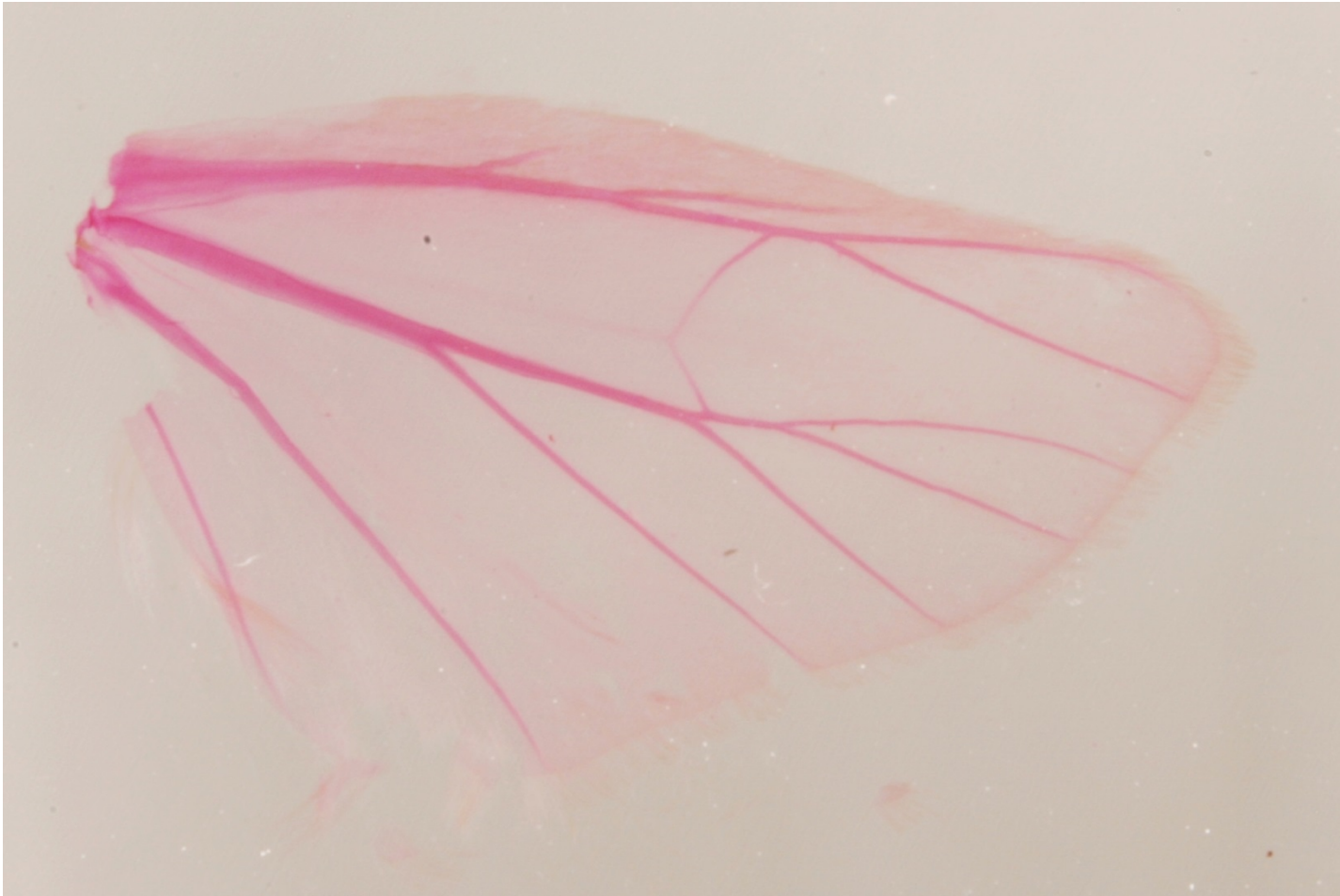
Tymbal

Metepimeron of *Bertholdia trigona*



Hind wing venation

Pseudohemihyalea ambigua

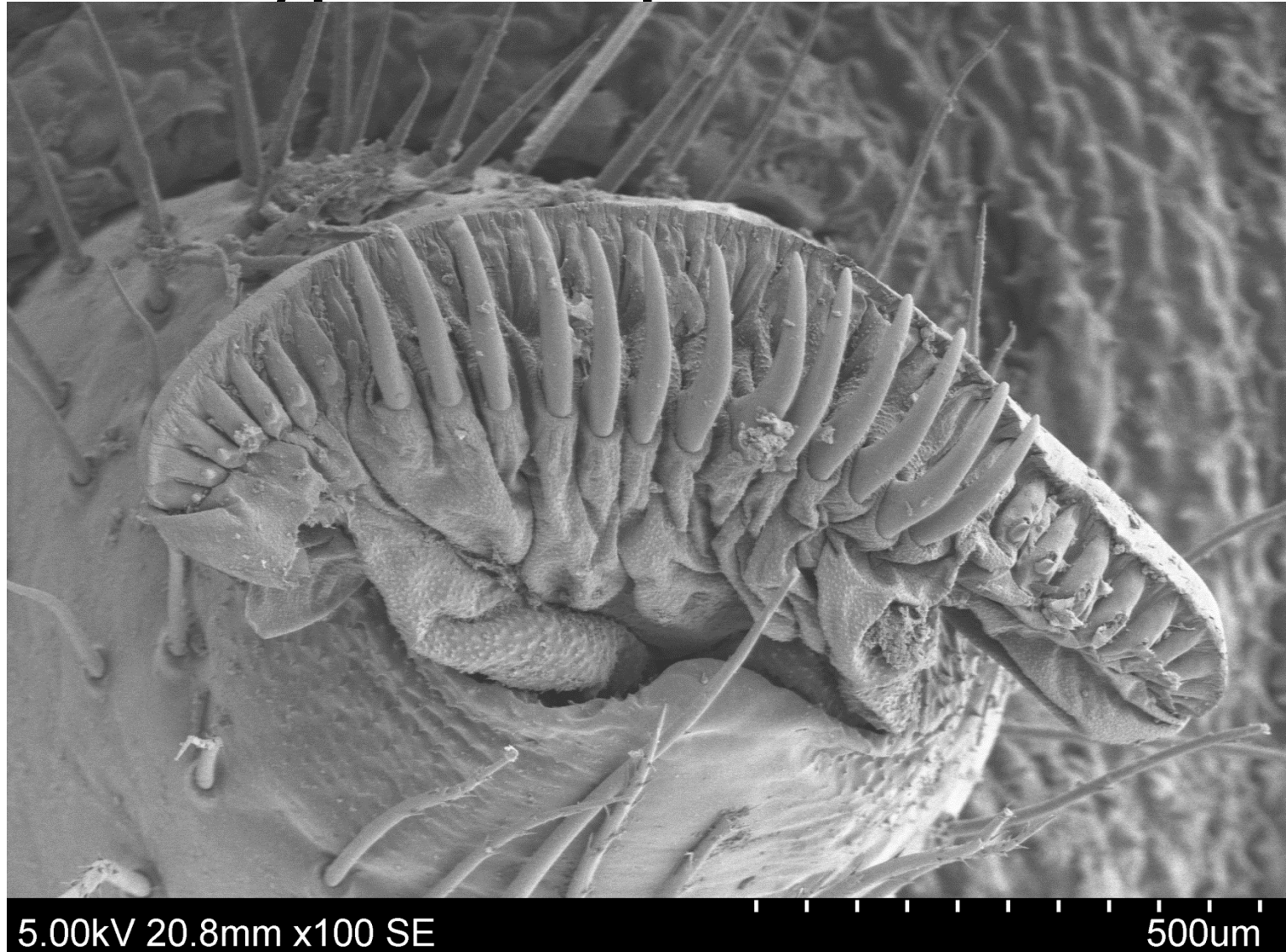


Setae D1 and D2 are fused on both 2nd and 3rd thoracic larval segments into a single verruca ■



Arctiid Heteroideous Crochet

Hypercompe suffusa



Arizona Arctiinae

- **Lithosini 26 species (15 genera)**
- **Arctiini 81 species (46 genera)**

Arctiina 31 species (17 genera)

Callimorphina 19 species (10 genera)

Phegopterina 19 species (11 genera)

Pericopina 3 species (2 genera)

Ctenuchina 9 species (6 genera)

Lithosiini 15 genera 26 species

Eudesmia arida



Arizona Crambida



impura



cephalica

Agylla septentrionalis



Gardinia anopola



Arizona Cisthene

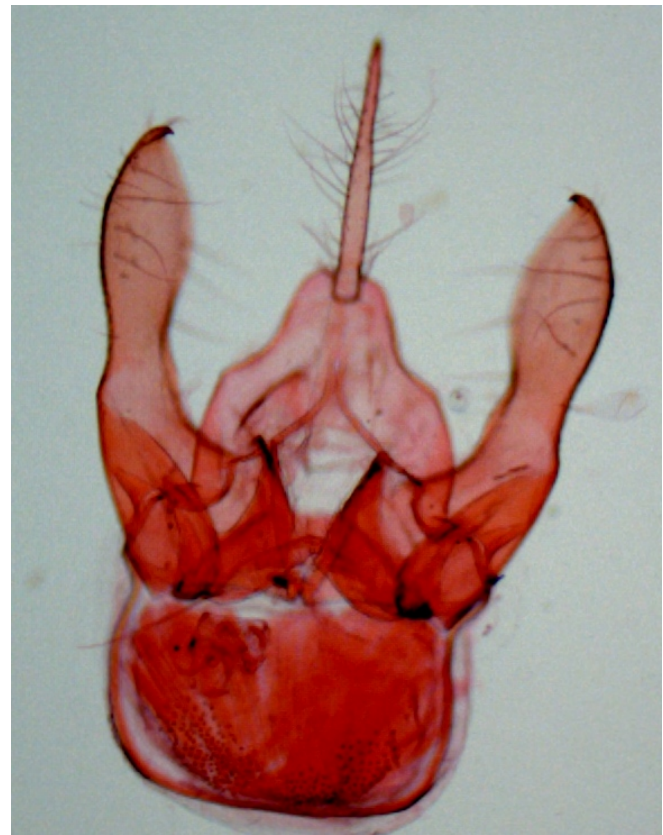


Cisthene genitalia

martini



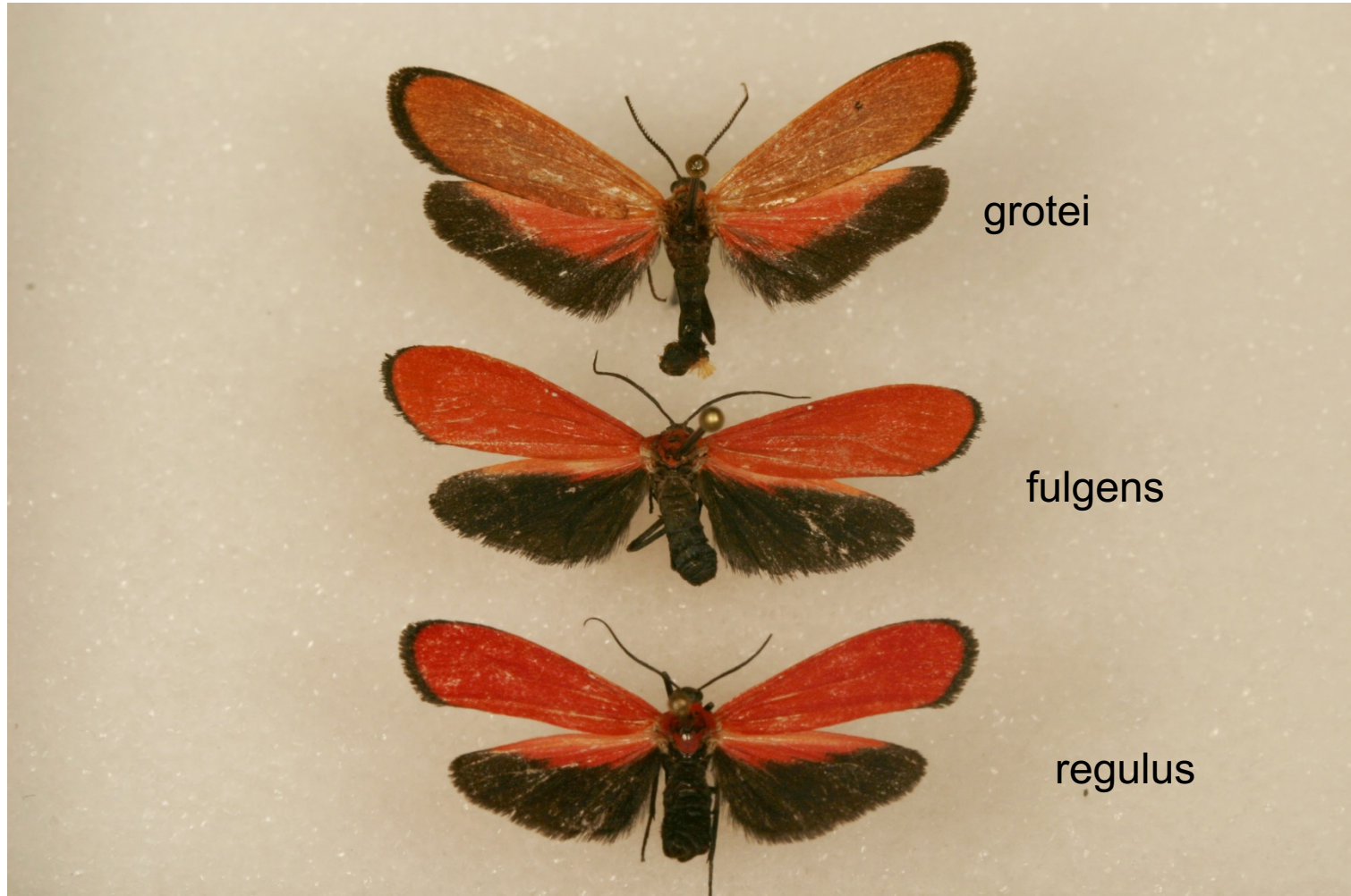
coronado



Arizona Ptychoglene



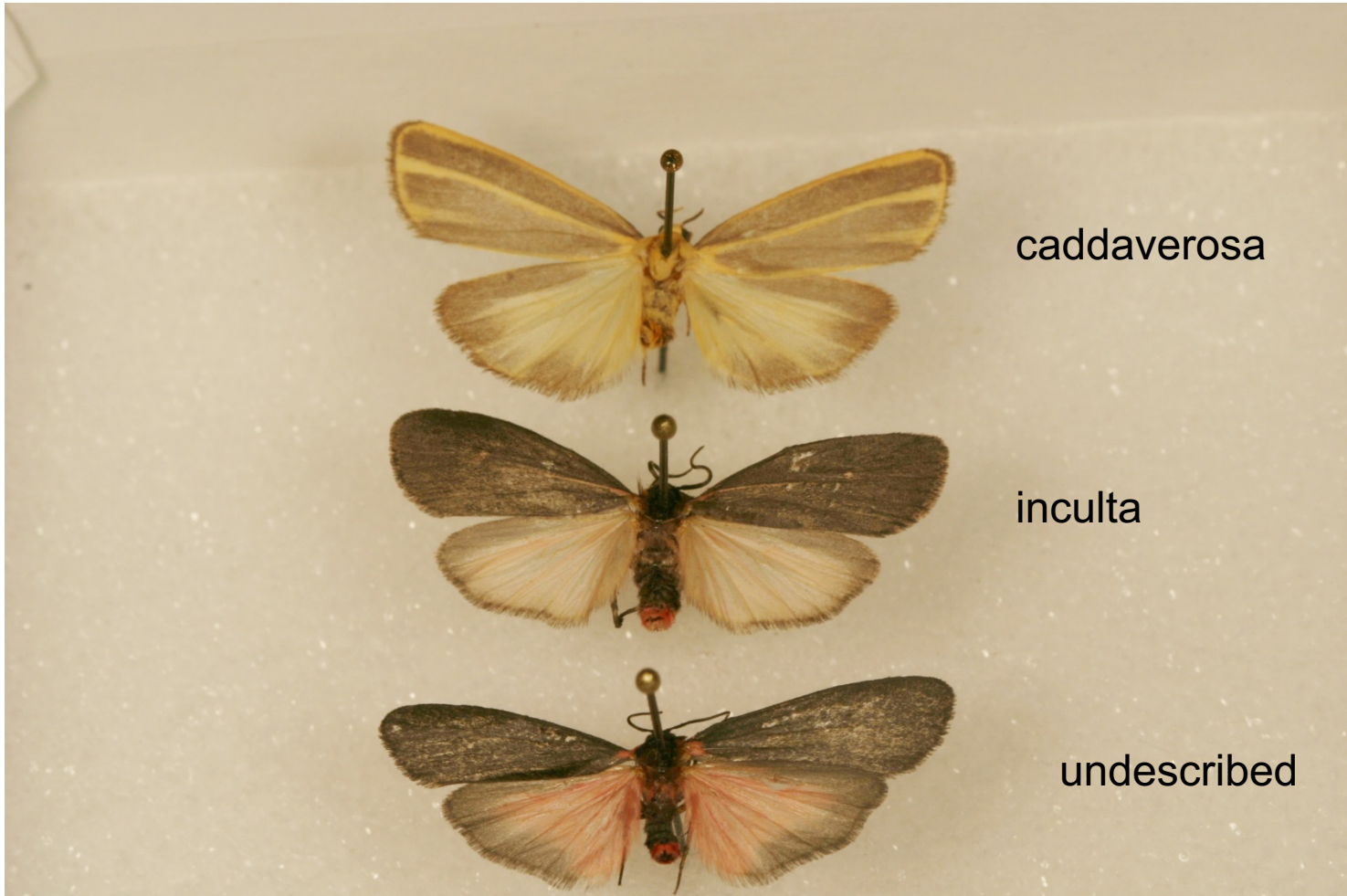
Lycomorpha



Lycomorpha regulus and Lycidae Mimic



Hypoprepia



caddaverosa

inculta

undescribed

Arizona Brucia



pulverina



hubbardi

Inopsis modulata



Arizona Arctiini

Arctiina (17 genera)

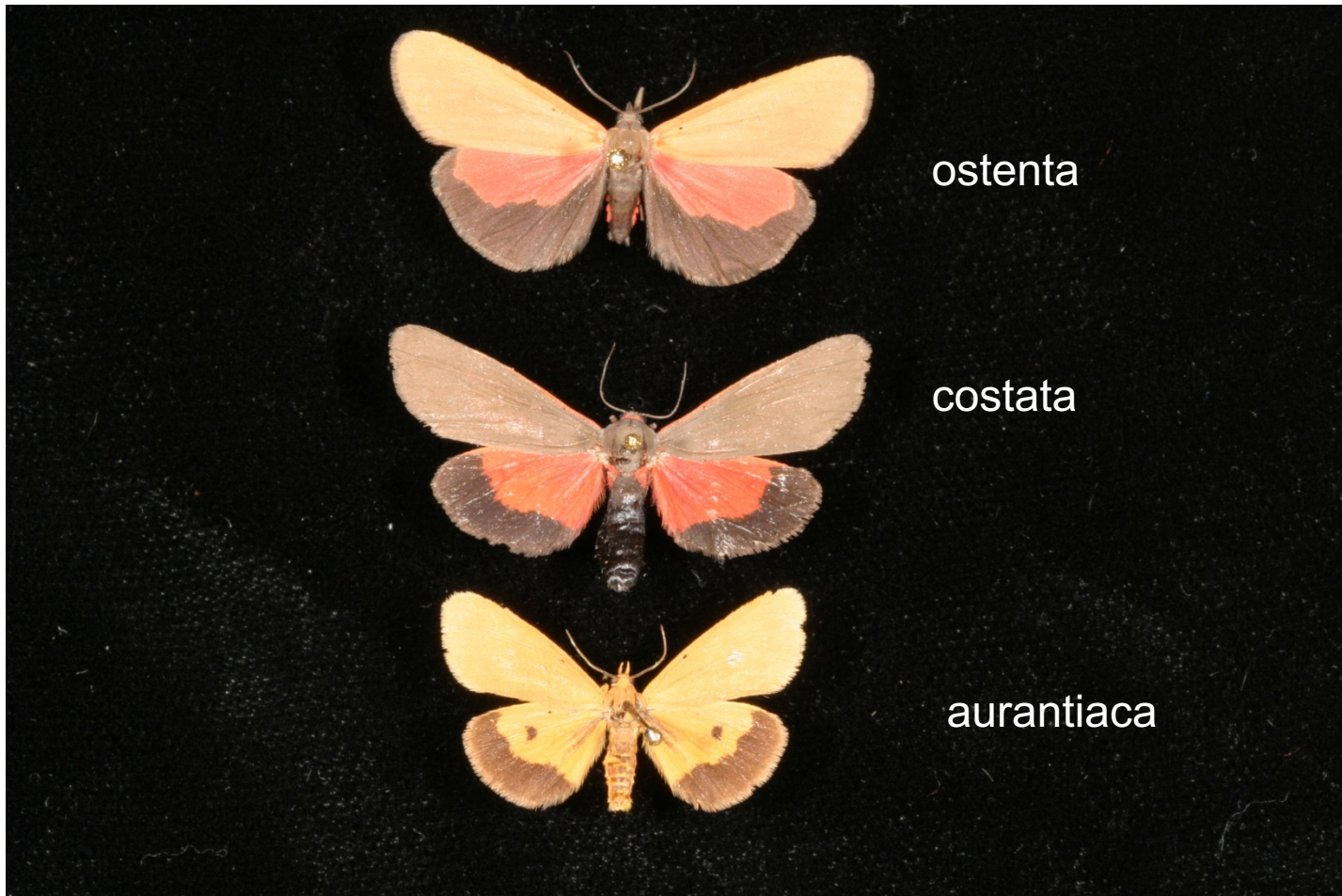
Callimophina (9 genera)

Phaegopterina (11 genera)

Ctenuchina (6 genera)

Pericopina (2 genera)

Arizona Virbia = Holomelina



Arizona Grammia



Leptarctia californiae



Arizona Estigmene



Hyphantria cunea



Arizona Hypercompe species



suffusa



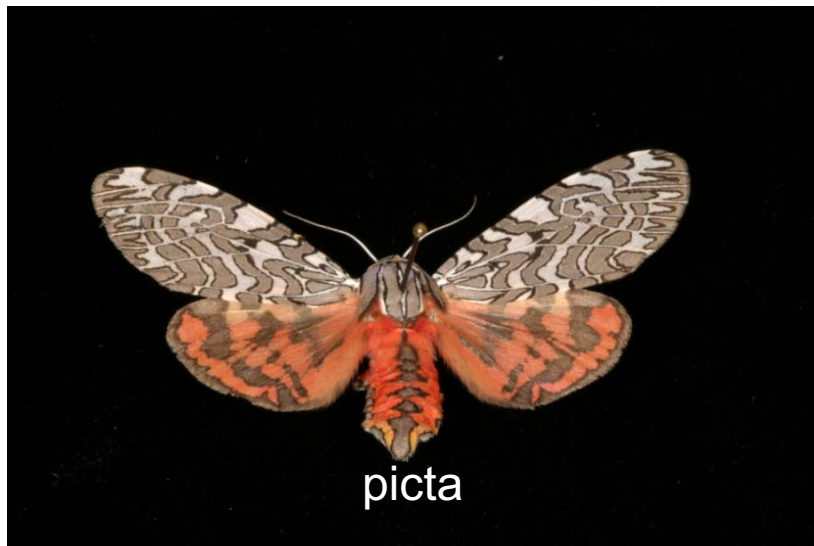
extrema



permaculata



Arizona Arachnis



Arachnis zuni

Arachnis zuni
Onion Saddle
Chirichua Mts., AZ
June 28, 2003



Arachnis Zuni ova
laid June 1, 2003
Female taken at light
Onion Saddle
Chirichua Mts, AZ



Arachnis zuni

Phegopterina

Hypocrisias minima



Halysidota davisii



Arizona Lophocampa



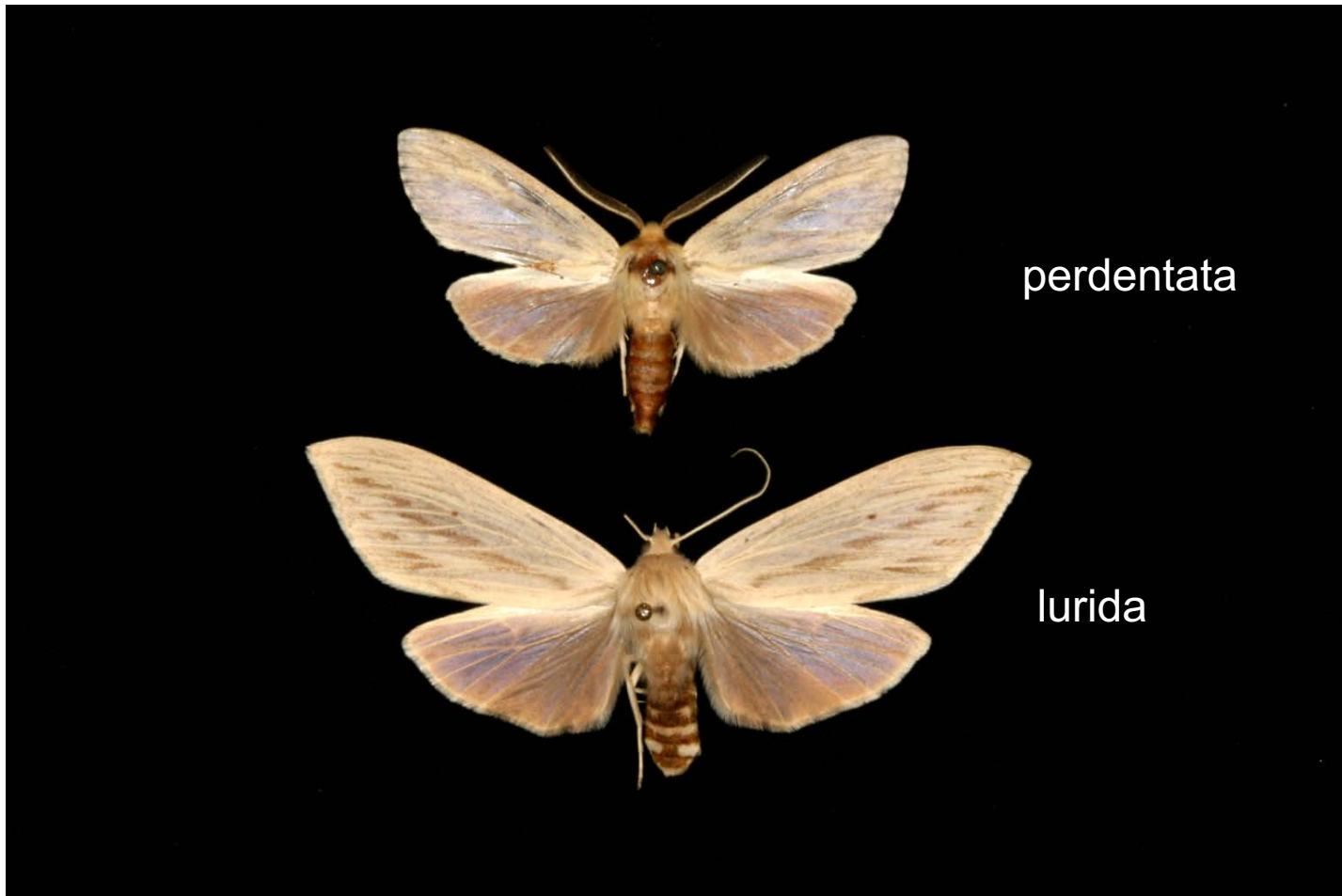
Lophocampa significans



Lophocampa maculata



Arizona Leucanopsis



Arizona Pseudohemihyalea



Apocrisias thaumasta



Opharus muricolar



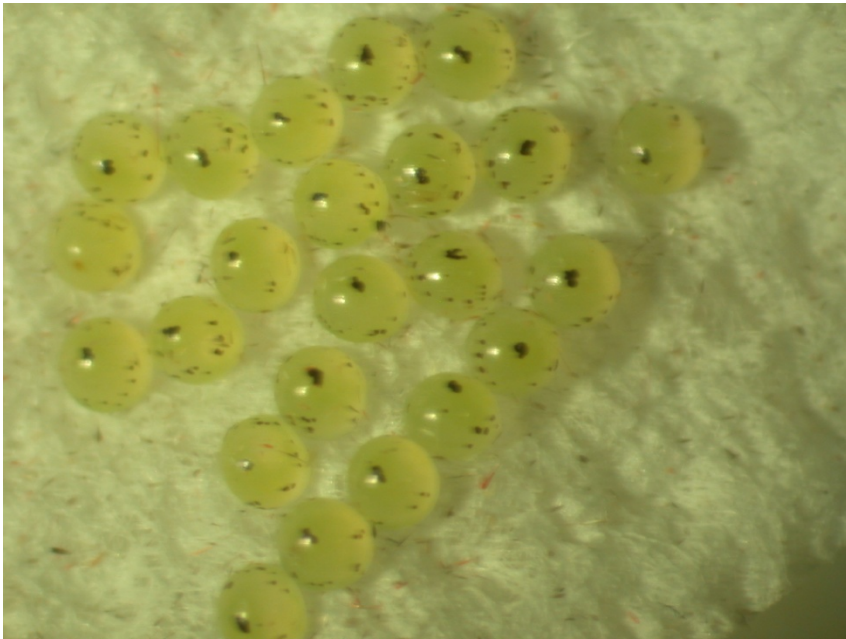
Carales arizonensis



Bertholdia trigona



Bertholdia trigona



Callimorphina

Arizona Euchaetes



04-30



Euchaetes antica



Lerina incarnata



Ectypia clio



Arizona Pygarctia



Pygarctia roseicapitis



Pygarctia murina

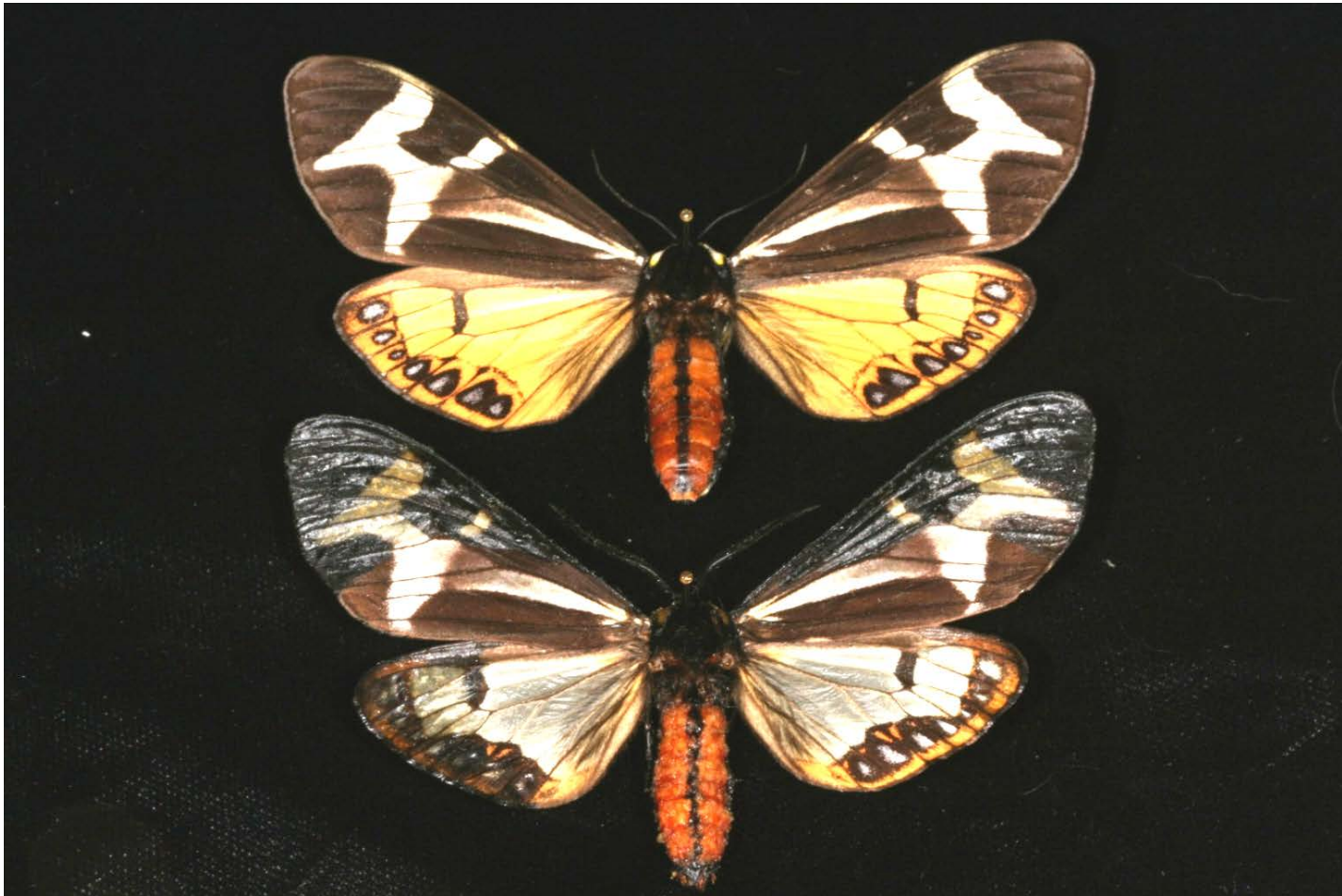


Aesclepias Feeding Arctiids



Pericopina

Dyshema howardi



Dyshema howardi





Dyschema howardi

Ctenuchina

Arizona Ctenucha





Ctenucha venosa

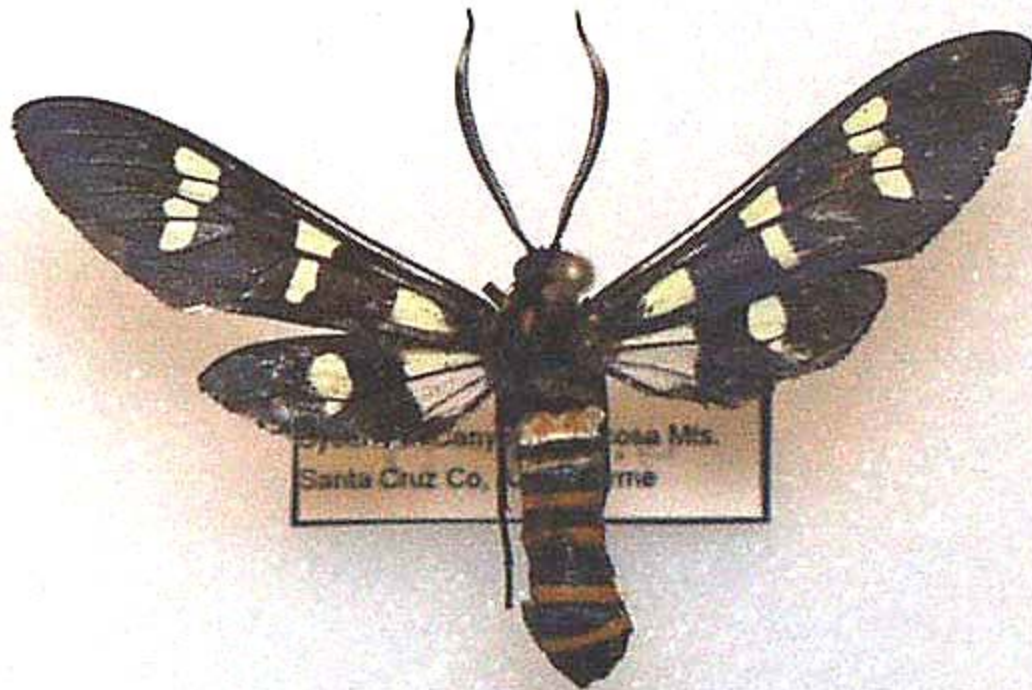
Ctenucha venosa



Phoenicoprocta hampsonii



Syntomeida melanthus



Horama panthelon texana



Apehopoda merccrida



Grammia incorrupta

Grammia nevadensis geneura
Pena Blanca Lk. AZ
Aug 23, 2003



04-30





Dychemma howardi male



Arachnis picta larvae